AMENDMENTS TO THE CLAIMS

Claim 1. (Currently Amended)

An image processing method for obtaining processed image data by carrying out image processing on image data obtained by a digital camera according to default processing conditions, which are processing conditions common for all models of digital camera, regardless of a model of each digital camera, for (1) modifying features and characteristics of the image represented by the image data and (2) processing conditions corresponding to a model of the digital camera, the image processing method comprising the step of:

customizing the default processing conditions and/or the processing conditions corresponding to the model of the digital camera; and

creating a menu that lists various models of digital cameras, where selection of a model of digital camera from the menu automatically modifies the default processing conditions to the customized processing conditions created for the selected model of digital camera; and

performing image processing by determining the image processing conditions for tone conversion and color correction based on the default processing conditions and/or the processing conditions corresponding to the model of digital camera, the determination including the steps of:

converting red (R), green (G), and blue (B) data of said image data by logarithmetic conversion;

modifying the converted logarithmetic R,G,B data by tone processing the converted logarithmetic R,G,B data using processing conditions associated with the default processing conditions and/or the processing conditions corresponding to the model of digital camera;

converting the tone corrected image data by performing lightness (L), chroma (C), and hue angle (H) conversion; and

modifying the LCH data by color correction processing to obtain color corrected image data.

Claim 2. (Original)

An image processing method as defined in Claim 1, wherein the processing conditions corresponding to the model of the digital camera include at least one of tone correction processing conditions, density correction processing conditions, and color correction processing conditions each corresponding to the model of the digital camera.

Claim 3. (Original)

An image processing method as defined in Claim 1, wherein the default processing conditions are customized by selection from customized default processing condition menus generated in advance.

Claim 4. (Original)

An image processing method as defined in Claim 1, wherein the processing conditions corresponding to the model of the digital camera are customized by selection from customized model processing condition menus generated in advance.

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Claim 5. (Currently amended)

An image processing apparatus for obtaining processed image data by carrying out image processing on image data obtained by a digital camera according to, (1) for modifying features and characteristics of the image represented by the image data default processing conditions, which are processing conditions common for all models of digital camera, regardless of a model of each digital camera and (2) processing conditions corresponding to a model of the digital camera, the image processing apparatus comprising:

default processing condition setting means for customizing the default processing conditions;

model processing condition setting means for customizing the processing conditions corresponding to the model of the digital camera, where a menu is created that lists various models of digital camera, where selection of a model of digital camera from the menu automatically modifies the default processing conditions to the customized processing conditions created for the selected model of digital camera; and

image processing means for carrying out the image processing based on the default processing conditions set by the default processing condition setting means and the processing conditions corresponding to the model of the digital camera set by the model processing condition setting means, the image processing means including an image processing condition determination means which includes:

logarithmetic conversion means for converting red (R), green (G), and blue (B) data of said image data by logarithmetic conversion;

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tone processing means for modifying the converted logarithmetic R,G,B data by tone processing the converted logarithmetic R,G,B data using processing conditions associated with the default processing conditions and/or the processing conditions corresponding to the model of digital camera;

LCH conversion means for converting the tone corrected image data by performing lightness (L), chroma (C), and hue angle (H) conversion; and

color correction means for modifying the LCH data by color correction processing to obtain color corrected image data.

Claim 6. (Original)

An image processing apparatus as defined in Claim 5, further comprising:

processing condition management means for providing a name to the default processing conditions set by the default processing condition setting means and/or the processing conditions for the model set by the model processing condition setting means and for storing the default processing conditions and/or the processing conditions for the model in relation to the name thereof; and

processing condition reading means for reading the default processing conditions and/or the processing conditions for the model managed by the processing condition management means and for providing the conditions that have been read to the image processing means.

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Claim 7. (Original)

An image processing apparatus as defined in Claim 5, wherein the model processing condition setting means customizes at least one of tone correction processing conditions, density correction processing conditions, and color correction processing conditions each corresponding to the model of the digital camera.

Claim 8. (Original)

An image processing apparatus as defined Claim 5, wherein the default processing condition setting means sets the default processing conditions by selection from customized default processing condition menus generated in advance.

Claim 9. (Original)

An image processing apparatus as defined in Claim 5, wherein the model processing condition setting means sets the processing conditions corresponding to the model of the digital camera by selection from customized model processing condition menus generated in advance.

Claim 10. (Currently amended)

A computer-readable recording medium storing a program to cause a computer to execute an image processing method for obtaining processed image data by carrying out image processing on image data obtained by a digital camera according to, (1) for modifying features and characteristics of the image represented by the image data default processing conditions,

which are processing conditions common for all models of digital camera, regardless of a model of each digital camera and (2) processing conditions corresponding to a model of the digital camera, the program comprising the procedure of:

customizing the default processing conditions and/or the processing conditions corresponding to the model of the digital camera; and

creating a menu that lists various models of digital cameras, where selection of a model of digital camera from the menu automatically modifies the default processing conditions to the customized processing conditions created for the selected model of digital camera; and

performing image processing by determining the image processing conditions for tone conversion and color correction based on the default processing conditions and/or the processing conditions corresponding to the model of digital camera, the determination including the steps of:

converting red (R), green (G), and blue (B) data of said image data by logarithmetic conversion;

modifying the converted logarithmetic R,G,B data by tone processing the converted logarithmetic R,G,B data using processing conditions associated with the default processing conditions and/or the processing conditions corresponding to the model of digital camera;

converting the tone corrected image data by performing lightness (L), chroma (C), and hue angle (H) conversion; and

modifying the LCH data by color correction processing to obtain color corrected image data.

Claim 11. (Currently amended)

An image processing condition setting method for setting image processing conditions

used for carrying out image processing on image data obtained by a digital camera, according to,

for (1) modifying features and characteristics of the image represented by the image data default

processing conditions, which are processing conditions common for all models of digital camera,

regardless of a model of each digital camera and (2) processing conditions corresponding to a

model of the digital camera, the image processing condition setting method comprising the step

of:

customizing default processing conditions and/or processing conditions corresponding to

a model of the digital camera; and

creating a menu that lists various models of digital cameras, where selection of a model

of digital camera from the menu automatically modifies the default processing conditions to the

customized processing conditions created for the selected model of digital camera; and

performing image processing based on the set image processing conditions by

determining the image processing conditions for tone conversion and color correction based on

the set processing conditions including the default processing conditions and/or the processing

conditions corresponding to the model of digital camera, the determination including the steps

of:

converting red (R), green (G), and blue (B) data of said image data by logarithmetic

conversion;

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modifying the converted logarithmetic R,G,B data by tone processing the converted logarithmetic R,G,B data using the processing conditions associated with the default processing conditions and/or the processing conditions corresponding to the model of digital camera;

converting the tone corrected image data by performing lightness (L), chroma (C), and hue angle (H) conversion; and

modifying the LCH data by color correction processing to obtain color corrected image data.

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